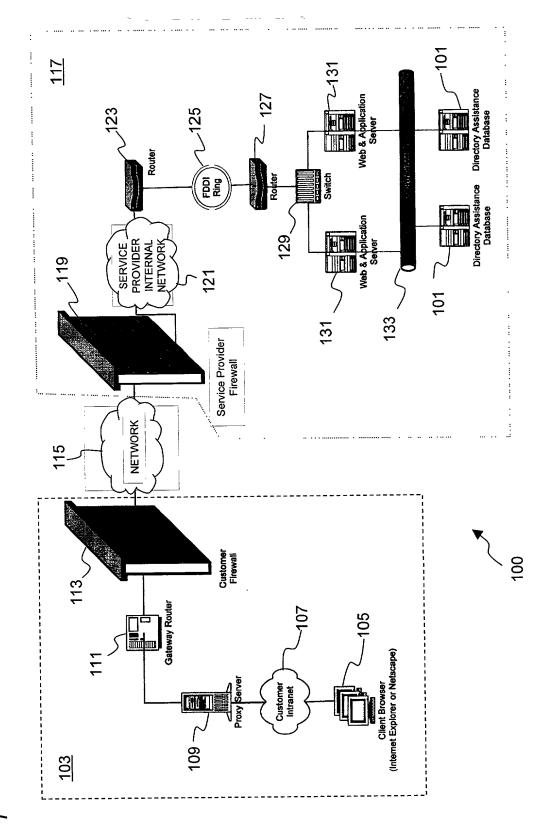Docket No.: CDR-00-005   Appln No.: NOT ASSIGNED
Title: ON-LINE DIRECTORY ASSISTANCE SYSTEM
Inventors: Shawn W. Wiederin et al.

Sheets of Drawings: 1 of 15

FIG. 1

Docket No.: CDR-00-005   Appln No.: NOT ASSIGNED
Title: ON-LINE DIRECTORY ASSISTANCE SYSTEM
Inventors: Shawn W. Wiederin et al.

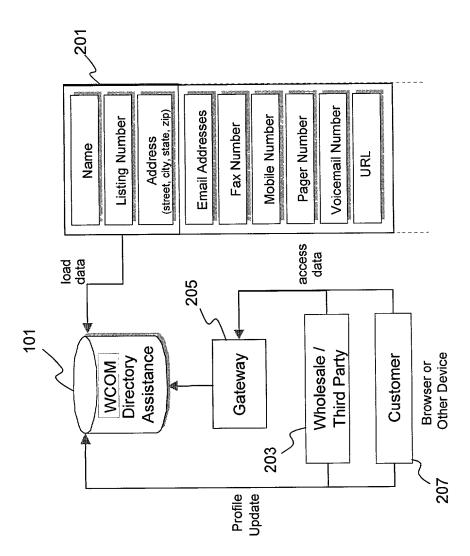Sheets of Drawings: 2 of 15

FIG. 2

Docket No.: CDR-00-005   Appln No.: NOT ASSIGNED
Title: ON-LINE DIRECTORY ASSISTANCE SYSTEM
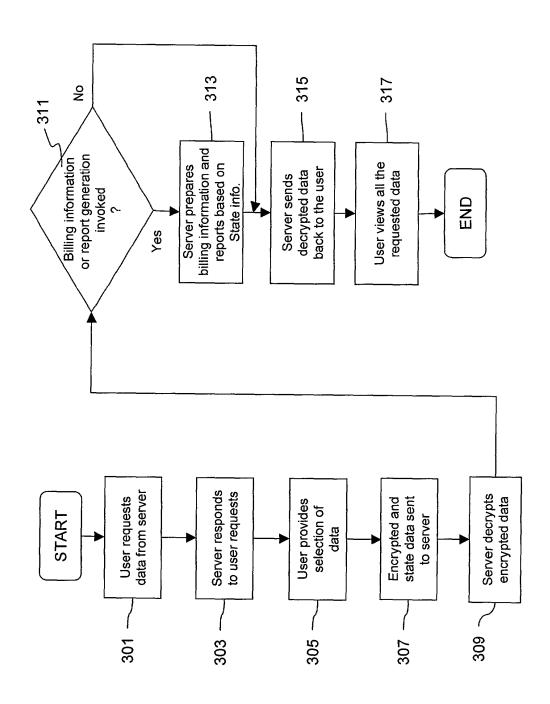Inventors: Shawn W. Wiederin et al.

Sheets of Drawings: 3 of 15

FIG. 3

```
START
  │
  ▼
┌──────────────────┐
│ User requests    │  301
│ data from server │
└──────────────────┘
  │
  ▼
┌──────────────────┐
│ Server responds  │  303
│ to user requests │
└──────────────────┘
  │
  ▼
┌──────────────────┐
│ User provides    │  305
│ selection of     │
│ data             │
└──────────────────┘
  │
  ▼
┌──────────────────┐
│ Encrypted and    │  307
│ state data sent  │
│ to server        │
└──────────────────┘
  │
  ▼
┌──────────────────┐
│ Server decrypts  │  309
│ encrypted data   │
└──────────────────┘
  │
  ▼
      ◇ 311
  Billing information
  or report generation
       invoked
          ?
   │Yes        │No
   ▼
┌──────────────────┐
│ Server prepares  │  313
│ billing          │
│ information and  │
│ reports based on │
│ State info.      │
└──────────────────┘
   │
   ▼
┌──────────────────┐
│ Server sends     │  315
│ decrypted data   │
│ back to the user │
└──────────────────┘
   │
   ▼
┌──────────────────┐
│ User views all   │  317
│ the requested    │
│ data             │
└──────────────────┘
   │
   ▼
  END
```

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Inventors: Shawn W. Wiederin et al.
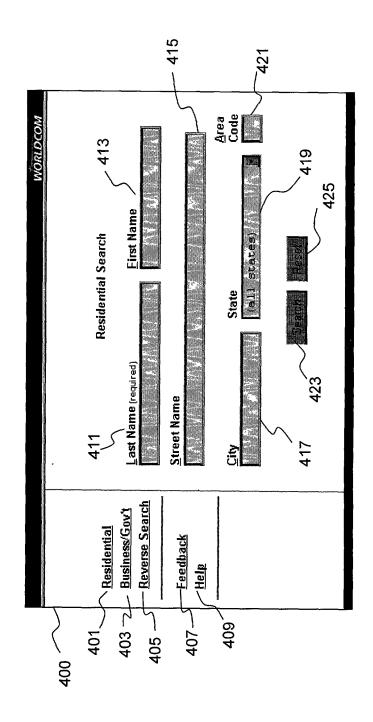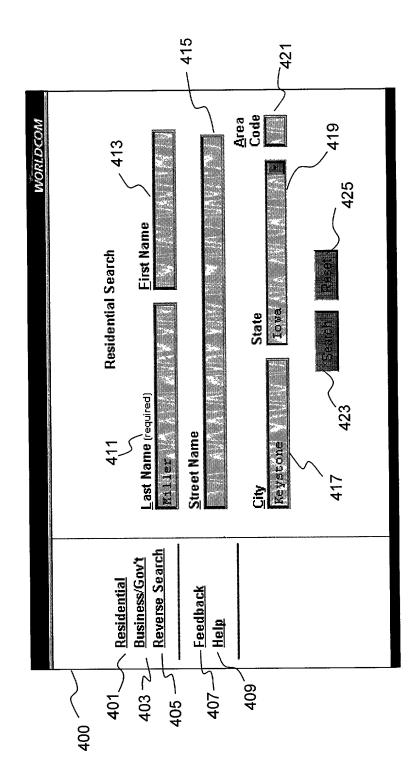
Sheets of Drawings: 4 of 15

FIG. 4A

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FIG. 4B

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Title: ON-LINE DIRECTORY ASSISTANCE SYSTEM
Inventors: Shawn W. Wiederin et al.

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FIG. 4C

Residential Search Results: 1 - 2

Name	Address: City, State Zip	Phone
Miller, Lonnie & Gail	305 3rd Ave KEYSTONE, IA 52249	(319) XXX-XXXX
Miller, Thomas A & Kimberly K	95 5th Ave KEYSTONE, IA 52249	(319) XXX-XXXX

Modify Search | New Search

Modify Search | New Search | Residential | Business | Reverse | Feedback | Help

WORLDCOM

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FIG. 4D

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Title: ON-LINE DIRECTORY ASSISTANCE SYSTEM
Inventors: Shawn W. Wiederin et al.

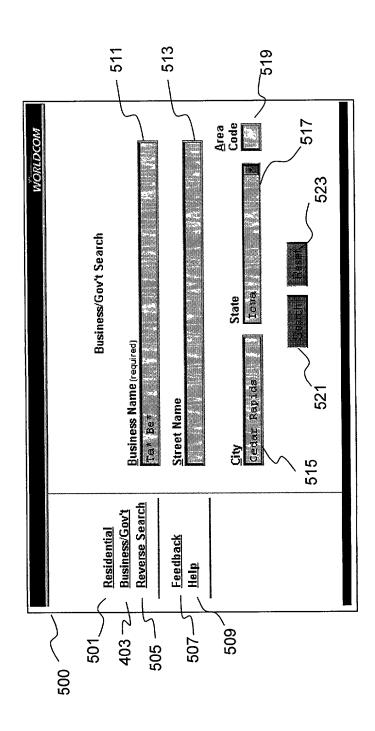Sheets of Drawings: 8 of   15

FIG. 5A

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Inventors: Shawn W. Wiederin et al.

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FIG. 5B

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Title: ON-LINE DIRECTORY ASSISTANCE SYSTEM
Inventors·   Shawn W. Wiederin et al.

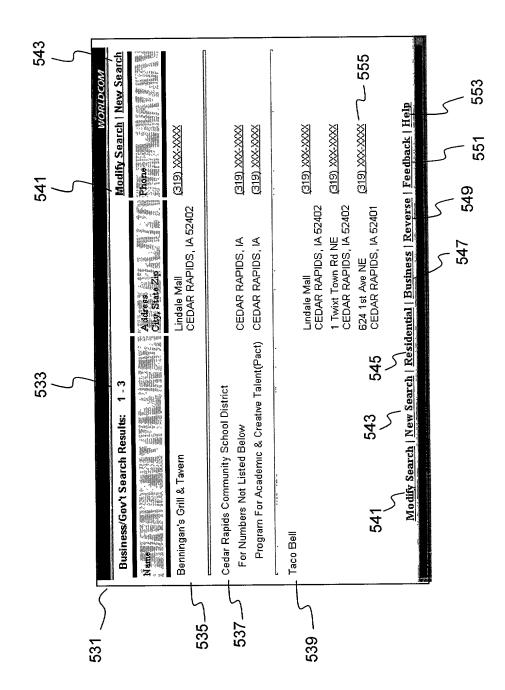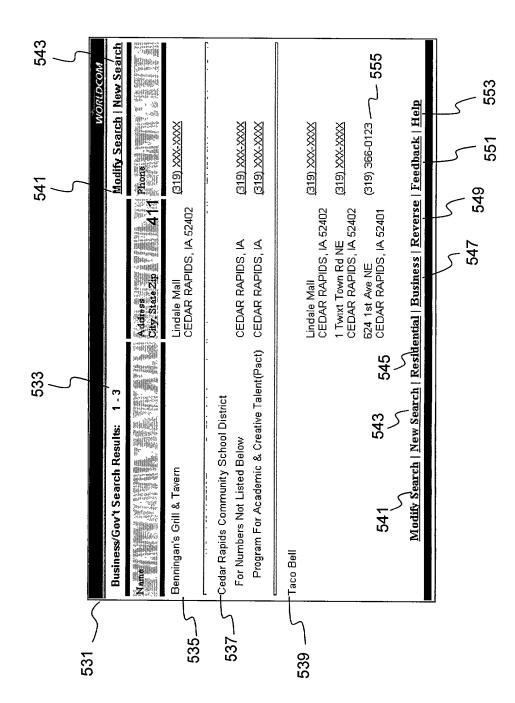Sheets of Drawings: 10 of 15

FIG. 5C

WORLDCOM

Modify Search | New Search — 543

Business/Gov't Search Results: 1 - 3 — 533

411 — 541

Name	Address City, State, Zip	Phone
Benningan's Grill & Tavern	Lindale Mall CEDAR RAPIDS, IA 52402	(319) XXX-XXXX
Cedar Rapids Community School District		
For Numbers Not Listed Below	CEDAR RAPIDS, IA	(319) XXX-XXXX
Program For Academic & Creative Talent (Pact)	CEDAR RAPIDS, IA	(319) XXX-XXXX
Taco Bell	Lindale Mall CEDAR RAPIDS, IA 52402	(319) XXX-XXXX
	1 Twixt Town Rd NE CEDAR RAPIDS, IA 52402	(319) XXX-XXXX
	624 1st Ave NE CEDAR RAPIDS, IA 52401	(319) 366-0123

555

553 551 549 547 545 543 541

535 537 539

531

Modify Search | New Search | Residential | Business | Reverse | Feedback | Help

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Title: ON-LINE DIRECTORY ASSISTANCE SYSTEM
Inventors: Shawn W. Wiederin et al.
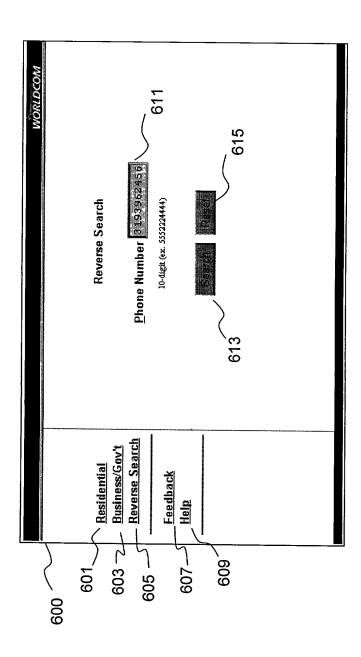
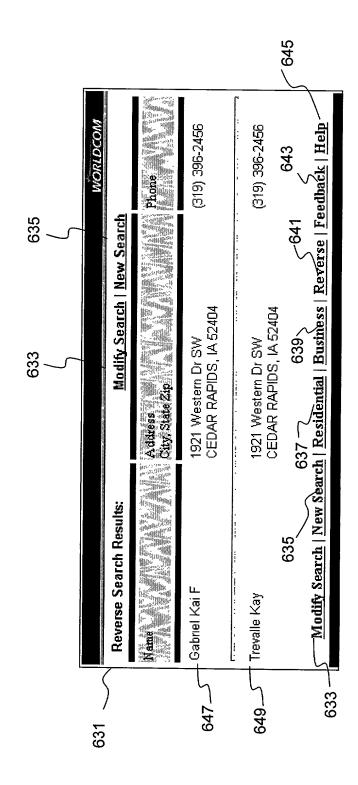Sheets of Drawings: 11 of 15

FIG. 6A

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Inventors: Shawn W. Wiederin et al.

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FIG. 6B

Reverse Search Results: **Modify Search | New Search**

Name	Address City, State Zip	Phone
Gabriel Kai F	1921 Western Dr SW CEDAR RAPIDS, IA 52404	(319) 396-2456
Trevalle Kay	1921 Western Dr SW CEDAR RAPIDS, IA 52404	(319) 396-2456

Modify Search | New Search | Residential | Business | Reverse | Feedback | Help

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Title: ON-LINE DIRECTORY ASSISTANCE SYSTEM
Inventors: Shawn W. Wiederin et al.
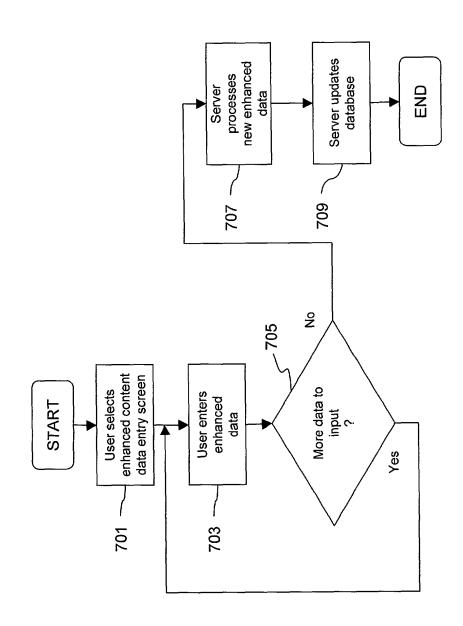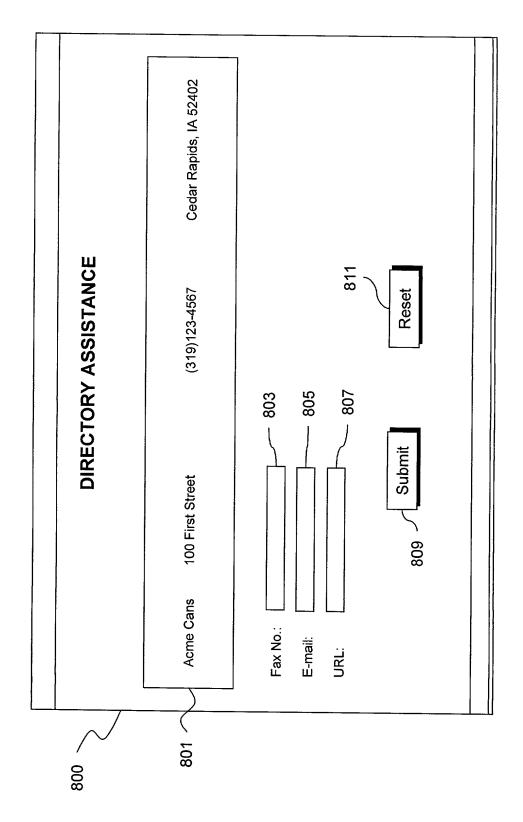
Sheets of Drawings: 13 of   15

FIG. 7

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Inventors: Shawn W. Wiederin et al.

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FIG. 8

DIRECTORY ASSISTANCE

Acme Cans

100 First Street   (319)123-4567

Cedar Rapids, IA 52402

Fax No.:   803

E-mail: 805

URL: 807

Submit   Reset

809   811

800

801

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Inventors: Shawn W. Wiederin et al

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FIG. 9